# PATENT COOPERATION TREATY

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imes . ,	From the INTERNATIONAL SEARCHING AUTHORITY	PCT					
	To: SIEMENS AKTIENGESELLSCHAFT  Postfach 22 16 3 TIPS AM Mch P D-80506 München GERMANY  rec. SEP 0 6 2004  IP 23.03.05	NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT AND THE WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY, OR THE DECLARATION					
	1P 23.03.05 time limit	(PCT Rule 44.1) Date of mailing					
,		(day/month/year) 07/09/2004					
Umo 1	Applicant's or agent's file reference 2003P07553WO	FOR FURTHER ACTION See paragraphs 1 and 4 below					
use	International application No. PCT/EP2004/005513	International filing date (day/month/year) 21/05/2004					
( )	Applicant						
Cei_	SIEMENS AKTIENGESELLSCHAFT	·					
Cap. II	The applicant is hereby notified that the international search Authority have been established and are transmitted herewite Filing of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the claim When? The time limit for filing such amendments is norre	th.  Is of the International Application (see Rule 46):  The mally 2 months from the date of transmittal of the					
	International Search Report; however, for more with the international Bureau of WIPO, 34	details, see the notes on the accompanying sheet. chemin des Colombettes					
	1211 Geneva 20, Switzerland, Fa  For more detailed instructions, see the notes on the accordance.	·					
2. The applicant is hereby notified that no international search report will be established and that the declaration ur Article 17(2)(a) to that effect and the written opinion of the International Searching Authority are transmitted herev  3. With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified the							
<b>(</b> )	4. Reminders Shortly after the expiration of 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90bis.1 and 90bis.3, respectively, before the completion of the technical preparations for international publication.						
	The applicant may submit comments on an informal basis on the International Bureau. The International Bureau will send a copy of international preliminary examination report has been or is to be each the public but not before the expiration of 30 months from the prior	f such comments to all designated Offices unless an established. These comments would also be made available to					
	Within 19 months from the priority date, but only in respect of sor examination must be filed if the applicant wishes to postpone the date (in some Offices even later); otherwise, the applicant must, vacts for entry into the national phase before those designated Offices.	me designated Offices, a demand for international preliminary entry into the national phase until 30 months from the priority vithin 20 months from the priority date, perform the prescribed					
	In respect of other designated Offices, the time limit of 30 months	(or later) will apply even if no demand is filed within 19					

Name and mailing address of the International Searching Authority

months.

European Patent Office, P.B. 5818 Patentlaan 2 NL-2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016

Authorized officer

See the Annex to Form PCT/IB/301 and, for details about the applicable time limits, Office by Office, see the *PCT Applicant's Guide*, Volume II, National Chapters and the WIPO Internet site.

Cora Dreyer

## **NOTES TO FORM PCT/ISA/220**

These Notes are intended to give the basic instructions concerning the filing of amendments under article 19. The Notes are based on the requirements of the Patent Cooperation Treaty, the Regulations and the Administrative Instructions under that Treaty. In case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the PCT Applicant's Guide, a publication of WIPO.

In these Notes, "Article", "Rule", and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions respectively.

#### **INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19**

The applicant has, after having received the international search report, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international preliminary examination procedure, there is usually no need to file amendments of the claims under Article 19 except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international polication. Furthermore, it should be emphasized that provisional protection is available in some States only.

#### What parts of the international application may be amended?

Under Article 19, only the claims may be amended.

During the international phase, the claims may also be amended (or further amended) under Article 34 before the International Preliminary Examining Authority. The description and drawings may only be amended under Article 34 before the International Examining Authority.

Upon entry into the national phase, all parts of the international application may be amended under Article 28 or, where applicable, Article 41.

#### When?

Within 2 months from the date of transmittal of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the International Bureau after the expiration of the applicable time limit but before the completion of the technical preparations for international publication (Rule 46.1).

## Where not to file the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international preliminary examination has been is filed, see below.

## How?

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Either by cancelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as filed.

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Administrative Instructions, Section 205(b)).

The amendments must be made in the language in which the international application is to be published.

## What documents must/may accompany the amendments?

#### Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confused with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must be in English or French, at the choice of the applicant. However, if the language of the international application is English, the letter must be in English; if the language of the international application is French, the letter must be in French.

Notes to Form PCT/ISA/220 (first sheet) (January 1994)

# NOTES TO FORM PCT/ISA/220 (continued)

The letter must indicate the differences between the claims as filed and the claims as amended. It must, in particular, indicate, in connection with each claim appearing in the international application (it being understood that identical indications concerning several claims may be grouped), whether

- (i) the claim is unchanged;
- (ii) the claim is cancelled:
- (iii) the claim is new;
- (iv) the claim replaces one or more claims as filed;
- (v) the claim is the result of the division of a claim as filed.

# The following examples illustrate the manner in which amendments must be explained in the accompanying letter:

- [Where originally there were 48 claims and after amendment of some claims there are 51]:
  "Claims 1 to 29, 31, 32, 34, 35, 37 to 48 replaced by amended claims bearing the same numbers; claims 30, 33 and 36 unchanged; new claims 49 to 51 added."
- [Where originally there were 15 claims and after amendment of all claims there are 11]: "Claims 1 to 15 replaced by amended claims 1 to 11."
- [Where originally there were 14 claims and the amendments consist in cancelling some claims and in adding new claims]:
  - "Claims 1 to 6 and 14 unchanged; claims 7 to 13 cancelled; new claims 15, 16 and 17 added." or "Claims 7 to 13 cancelled; new claims 15, 16 and 17 added; all other claims unchanged."
- 4. [Where various kinds of amendments are made]: "Claims 1-10 unchanged; claims 11 to 13, 18 and 19 cancelled; claims 14, 15 and 16 replaced by amended claim 14; claim 17 subdivided into amended claims 15, 16 and 17; new claims 20 and 21 added."

#### "Statement under article 19(1)" (Rule 46.4)

The amendments may be accompanied by a statement explaining the amendments and indicating any impact that such amendments might have on the description and the drawings (which cannot be amended under Article 19(1)).

The statement will be published with the international application and the amended claims.

# It must be in the language in which the international appplication is to be published.

It must be brief, not exceeding 500 words if in English or if translated into English.

It should not be confused with and does not replace the letter indicating the differences between the claims as filed and as amended. It must be filed on a separate sheet and must be identified as such by a heading, preferably by using the words "Statement under Article 19(1)."

It may not contain any disparaging comments on the international search report or the relevance of citations contained in that report. Reference to citations, relevant to a given claim, contained in the international search report may be made only in connection with an amendment of that claim.

# Consequence if a demand for international preliminary examination has already been filed

If, at the time of filing any amendments under Article 19, a demand for international preliminary examination has already been submitted, the applicant must preferably, at the same time of filing the amendments with the International Bureau, also file a copy of such amendments with the International Preliminary Examining Authority (see Rule 62.2(a), first sentence).

#### Consequence with regard to translation of the international application for entry into the national phase

The applicant's attention is drawn to the fact that, where upon entry into the national phase, a translation of the claims as amended under Article 19 may have to be furnished to the designated/elected Offices, instead of, or in addition to, the translation of the claims as filed.

For further details on the requirements of each designated/elected Office, see Volume II of the PCT Applicant's Guide.

Notes to Form PCT/ISA/220 (second sheet) (January 1994)

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# **PATENT COOPERATION TREATY**

# **PCT**

# **INTERNATIONAL SEARCH REPORT**

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER	see Form PCT/ISA/220 as, where applicable, item 5 below.
2003P07553WO	ACTION as well International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)
International application No.	international filling date (day/month/year)	(Carriest) Friority Date (day/monthlyear)
PCT/EP2004/005513	21/05/2004	23/05/2003
Applicant		
SIEMENS AKTIENGESELLSCHAF	r	
This International Search Report has bee according to Article 18. A copy is being tra	n prepared by this International Searching Aut ansmitted to the International Bureau.	nority and is transmitted to the applicant
This International Search Report consists	of a total of sheets.	
X It is also accompanied by	a copy of each prior art document cited in this	report.
	international search was carried out on the ba less otherwise indicated under this item.	sis of the international application in the
The international this Authority (Ru		ation of the international application furnished to
b. With regard to any nucle	otide and/or amino acid sequence disclosed	in the international application, see Box No. I.
2. Certain claims were fou	nd unsearchable (See Box II).	
3. Unity of invention is lac	king (see Box III).	
4. With regard to the title,		
the text is approved as su	ubmitted by the applicant.	
X the text has been establis	shed by this Authority to read as follows:	
MRI MAGNET DEVICE WITH	H AXIALLY ADJUSTABLE ROSE SH	IIM RING
		•
5. With regard to the abstract,		
the text is approved as su	ubmitted by the applicant.	
	shed, according to Rule 38.2(b), by this Author om the date of mailing of this international sea	
6. With regards to the <b>drawings</b> ,		
	published with the abstract is Figure No1_	· 
X as suggested by		
as selected by th	is Authority, because the applicant failed to su	ggest a figure.
as selected by th	is Authority, because this figure better charact	erizes the invention.
b. none of the figures is to b	be published with the abstract.	

Form PCT/ISA/210 (first sheet) (January 2004)

International application No.

PCT/EP2004/005513

Box No. IV Text of the abstract (Continuation of item 5 of the first sheet)

This invention relates to a static magnetic field generating device in a MRI equipment, comprising an additional shimming ring on the external edge of the first shimming ring whereby the distance between the first shimming ring and the additional shimming ring is adjustable in the direction parallel to the static magnetic field such as to improve the field homogeneity of the static magnetic field; a per-manent magnetic source composed of a plurality of permanent magnetic columns with different magnetic energy levels wherein the magnetic energy levels of the external columns are higher than the magnetic energy levels of the columns which are located closer to the center of the respective pole; a plurality of magnetic inducing bolts or permanent magnetic bolts; the second shimming ring, the permanent magnetic source and the magnetic inducing bolts or permanent magnetic bolts could be applied jointly.

International Application No PCT/EP2004/005513

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G01R33/3873

According to International Patent Classification (IPC) or to both national classification and IPC

# B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 G01R

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data, IBM-TDB, COMPENDEX, INSPEC, BIOSIS, EMBASE, MEDLINE

Relevant to claim No.
1,2,7,
1,2,7, 10,11
9,12

X Further documents are listed in the continuation of box C.	γ Patent family members are listed in annex.
<ul> <li>Special categories of cited documents:</li> <li>"A" document defining the general state of the art which is not considered to be of particular relevance</li> <li>"E" earlier document but published on or after the international filing date</li> <li>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</li> <li>"O" document referring to an oral disclosure, use, exhibition or other means</li> <li>"P" document published prior to the international filing date but later than the priority date claimed</li> </ul>	<ul> <li>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</li> <li>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</li> <li>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.</li> <li>"&amp;" document member of the same patent family</li> </ul>
Date of the actual completion of the international search  30 August 2004	Date of mailing of the international search report 07/09/2004
Name and mailing address of the ISA  European Patent Office, P.B. 5818 Patentlaan 2  NL - 2280 HV Rijswijk  Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  Fax: (+31-70) 340-3016	Authorized officer  Streif, J

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International Application No
PCT/EP2004/005513

	Jation) DOCUMENTS CONSIDERED TO BE RELEVANT	[Batawania at a salah sa
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	24 US 4 672 346 A (HAYASHI HIROO ET AL) 9 June 1987 (1987-06-09) column 8, line 33-46 figure 11	7,9,11, 12 ·
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A	GB 2 319 339 A (MARCONI GEC LTD) 20 May 1998 (1998-05-20) page 2, line 10 -page 3, line 12 figures 3,4	1-12
A	EP 0 619 499 A/(OXFORD MAGNET TECH) 12 October 1994 (1994-10-12) column 4, line 33 -column 5, line 35 figures 2-4	1–12
A	RAUS 5 134 374 A (BRENEMAN BRUCE C ET AL) 28 July 1992 (1992-07-28) column 6, line 13 -column 8, line 34 figures 3,4,6-9	1-12
<b>A</b>	US 2002/056185 A1/(BENZ MARK GILBERT ET AL) 16 May 2002 (2002-05-16) paragraph '0018! - paragraph '0022! figure 1	1-12
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A	PATENT ABSTRACTS OF JAPAN vol. 016, no. 140 (C-0926), 8 April 1992 (1992-04-08) & JP 03 297445 A (TOSHIBA CORP), 27 December 1991 (1991-12-27) abstract	1-12

Information on patent family members

International Application No
PCT/EP2004/005513

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	03297445		27-12-1991	NONE			